

STAGE ON

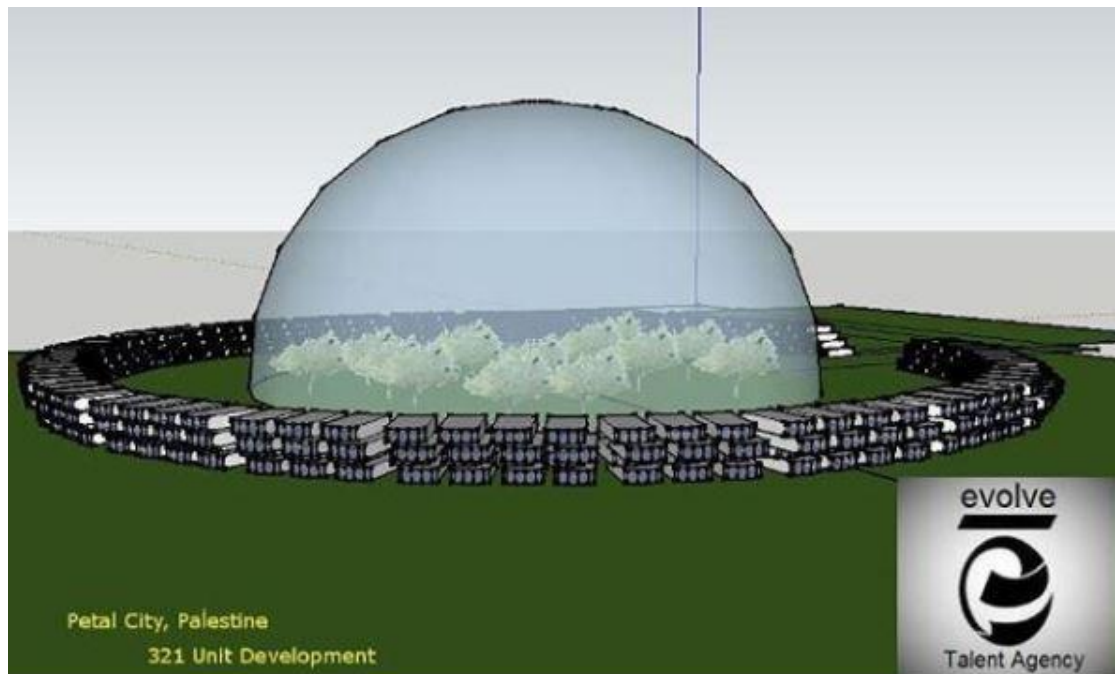
Is There Life On Mars?

by Jonathan Elliott



This is a foldable
Geodesic dome model
developed at MIT

In the future, the utilization of tensegrity structures will facilitate clean living environments on Mars. Using the right alloys for Geodesic domes. "Tensegrity is islands of compression inside an ocean of tension." Buckminster Fuller is once quoted as saying.



This structure was designed using both the principles of the tensegrity models and the Geodesic domes. Much like a traditional Hollywood stage, the lighting and temperature of the facility would be controlled to necessary levels, adapting plant life such as apple orchards, plums, apricots, grapefruits and the entire ensemble of fruits and vegetables necessary to maintain life on the planet.

While the domes themselves may one day rise to several hundred feet, the storage and transportation of them would be relatively easy.

The living quarters are concrete and glass-like poured acrylic. Of course, with the severity of temperatures on the Martian planet, The development of Martian concrete is well under way.

“They used simulated Martian soil consisting mainly of silicon dioxide and aluminium oxide with other components such as iron oxide, titanium dioxide, and so on. They also tested various different sizes of particles in this aggregate.”

<https://www.technologyreview.com/s/545216/materials-scientists-make-martian-concrete/>

So imagine one day in the near future, both the architectural principles and chemistry itself have fallen in line to develop adaptable living environments on the Martian planet.